

IN THE CLAIMS

Please cancel claims 2 and 7 without prejudice or disclaimer, amend claims 1, 3 thru 6, 8 thru 14 and 16, and add new claims 17 thru 22, as follows:

1 1. (Currently Once Amended) A plate for use in a plasma display panel,
2 comprising:

3 a substrate;

4 a dielectric layer formed on a top surface of the substrate; and

5 partitions spaced a predetermined distance apart from each other and formed in a
6 snaking shape in a common direction to form a plurality of channels between adjacent
7 ~~ones of the~~ partitions, the channels including main discharge spaces and auxiliary
8 discharge spaces alternately arranged and connected to each other through the channels;
9 ~~red, green and blue phosphors coated in the main discharge spaces accommodating the~~
10 ~~red, green, blue phosphors being arranged in a triangular shape and the green and red~~
11 ~~phosphors being aligned with each other in a direction approximately perpendicular to the~~
12 ~~common direction;~~

13 wherein the partitions comprise first partition portions forming the main discharge
14 spaces, second partition portions forming the auxiliary discharge spaces, and third
15 partition portions connecting the first and second partition portions; and

16 wherein widths of the first partition portions forming the main discharge spaces in
17 which red and green phosphors are coated are greater than widths of the first partition

18 portions forming the main discharge spaces in which a blue phosphor is coated.

Claim 2. (Canceled)

1 3. (Currently Once Amended) The plate of claim 1, ~~further comprised of the blue~~
2 phosphor being coated on the main discharge spaces at a thickness greater than a
3 thickness of the red and green phosphors.

1 4. (Currently Once Amended) A plate for a plasma display panel, comprising:
2 a substrate;
3 a dielectric layer formed on a top surface of the substrate;
4 first partitions formed in a striped pattern on ~~[[the]]~~ a top surface of the dielectric
5 layer and spaced a predetermined distance apart from each other, the first partitions
6 including non-recessed portions and including recessed portions formed at opposite sides
7 of the ~~first partitions and adjacent to the first partitions~~ non-recessed portions; and
8 second partitions spaced a predetermined distance apart from each other in a
9 snaking shape to form main discharge spaces in cooperation with the recessed portions,
10 and ~~forming~~ to form auxiliary discharge spaces in cooperation with lateral surfaces of
11 ~~adjacent the first partitions that are adjacent to the recessed~~ non-recessed portions.

1 5. (Currently Once Amended) The plate of claim 4, further comprising red and

2 green phosphors coated on respective main discharge spaces formed by adjacent pairs of
3 the first and second partitions, and a blue phosphor coated on ~~the respective~~ main
4 discharge spaces formed by adjacent pairs of the second partitions.

1 6. (Currently Once Amended) The plate of claim 4, further comprising first and
2 second phosphors coated on ~~[[the]]~~ respective first and second main discharge spaces
3 formed by adjacent pairs of the first and second partitions, and a third phosphor coated on
4 ~~[[the]]~~ third main discharge spaces formed by adjacent pairs of the second partitions,
5 each of the third main discharge spaces including an opening open area accommodating
6 the third phosphor, the open area of each of the third main discharge spaces ~~[[to]]~~ being
7 greater than ~~the opening an open area of each of the first main discharge space spaces~~
8 accommodating the first phosphor, and greater than an open area of each of the second
9 discharge space spaces accommodating the second phosphor, the main discharge spaces
10 including the first, second, and third main discharge spaces.

Claim 7. (Canceled)

1 8. (Currently Once Amended) The plate of claim ~~[[7]]~~ 6, further comprising
2 sustaining and common electrodes arranged at ~~the interface~~ a boundary between the
3 first~~[[,]]~~ and second~~[[,]]~~ main discharge spaces and ~~the~~ third main discharge spaces.

1 9. (Currently Once Amended) The plate of claim 8, [[with]] the sustaining and
2 common electrodes each including auxiliary electrodes positioned in the main discharge
3 spaces.

1 10. (Currently Once Amended) The plate of claim 5, ~~further comprised of a~~
2 ~~thickness~~ width of the blue phosphor being greater than a ~~thickness~~ width of the red and
3 green phosphors, respectively.

1 11. (Currently Once Amended) A plasma display panel, comprising:
2 a substrate;
3 data electrodes formed on a top surface of the substrate;
4 a first dielectric layer formed on the substrate to cover the data electrodes;
5 first partitions ~~including~~ having a striped pattern, and spaced a predetermined
6 distance apart from each other and disposed on a top surface of the first dielectric layer,
7 the first partitions including recessed portions at opposite sides of ~~adjacent ones~~ non-
8 recessed portions of the first partitions;
9 second partitions spaced a predetermined distance apart from each other in a
10 snaking shape to form main discharge spaces in cooperation with the recessed portions,
11 and to form auxiliary discharge spaces in cooperation with lateral surfaces of the first
12 ~~partitions adjacent to the recessed~~ non-recessed portions;
13 phosphors coated in the main discharge spaces;

14 a front plate sealed with the substrate;

15 common electrodes and sustaining electrodes arranged over the main discharge
16 spaces in a direction not parallel with a direction of the data electrodes on a bottom
17 surface of the front plate; and

18 a second dielectric layer formed on the bottom surface of the front plate to cover
19 the common and sustaining electrodes.

1 12. (Currently Once Amended) The plasma display panel of claim 11, [[with]] the
2 phosphors comprising red and green phosphors coated on the respective main discharge
3 spaces formed by adjacent first and second partitions, and a blue phosphor coated on the
4 respective main discharge spaces formed by adjacent second partitions.

1 13. (Currently Once Amended) The plasma display panel of claim 12, further
2 ~~comprised of a~~ thickness width of the blue phosphor being greater than a ~~thickness width~~
3 of the red and green phosphors.

1 14. (Currently Once Amended) The plasma display panel of claim 11, further
2 ~~comprised of~~ the common electrodes and the sustaining electrodes being arranged above a
3 boundary between [[a]] first and second main discharge spaces formed by adjacent first
4 and second partitions and a third main discharge space formed by adjacent second
5 partitions.

1 15. (Original) The plasma display panel of claim 12, further comprising auxiliary
2 electrodes positioned in the main discharge spaces and extending toward one another
3 from opposing sides of the common and sustaining electrodes.

1 16. (Currently Once Amended) The plasma display panel of claim 11, further
2 ~~comprised of~~ the blue phosphor being coated on the main discharge spaces at a thickness
3 greater than a thickness of the red and green phosphors.

1 17. (New) The plate of claim 1, wherein red, green and blue phosphors coated in
2 the main discharge spaces are arranged in a triangular pattern with the red and green
3 phosphors being aligned with each other in a first direction and the blue phosphors being
4 located in a second direction relative to the red and green phosphors, the second direction
5 being substantially perpendicular to the first direction.

1 18. (New) A plasma display panel comprising a plate, a common electrode and a
2 sustaining electrode, said common electrode and said sustaining electrode being formed
3 on the plate, said plate comprising:

4 a substrate;

5 a dielectric layer formed on a top surface of the substrate; and

6 partitions spaced a predetermined distance apart from each other and formed in a

7 snaking shape in a common direction to form a plurality of channels between adjacent
8 partitions, the channels including main discharge spaces and auxiliary discharge spaces
9 alternately arranged and connected to each other through the channels;

10 wherein the partitions comprise first partition portions forming the main discharge
11 spaces, second partition portions forming the auxiliary discharge spaces, and third
12 partition portions connecting the first and second partition portions; and

13 wherein said common electrode and said sustaining electrode are arranged on the
14 third partition portions, whereby to increase an opening ratio of the main discharge
15 spaces.

1 19. (New) The plasma display panel of claim 18, further comprising auxiliary
2 electrodes positioned on the main discharge spaces and extending from opposing sides of
3 the common and sustaining electrodes, whereby to reduce a discharge state voltage and
4 extend a relative discharge area.

1 20. (New) A plate for use in a plasma display panel, comprising:
2 a substrate;
3 a dielectric layer formed on a top surface of the substrate; and
4 partitions spaced a predetermined distance apart from each other and formed in a
5 snaking shape in a common direction to form a plurality of channels between adjacent
6 partitions, the channels including main discharge spaces and auxiliary discharge spaces

7 alternately arranged and connected to each other through the channels;

8 wherein the partitions comprise first partition portions forming the main discharge
9 spaces, second partition portions forming the auxiliary discharge spaces, and third
10 partition portions connecting the first and second partition portions; and

11 wherein a width of the first partition portions is greater than a width of the second
12 partition portions, and is greater than a width of the third partition portions.

1 21. (New) A plasma display panel comprising the plate of claim 20, and further
2 comprising a common electrode and a sustaining electrode, each formed on the plate;

3 wherein said common electrode and said sustaining electrode are arranged on the
4 third partition portions, whereby to increase an opening ratio of the main discharge
5 spaces.

1 22.(New) The plasma display panel of claim 21, further comprising auxiliary
2 electrodes positioned on the main discharge spaces and extending from opposing sides of
3 the common and sustaining electrodes, whereby to reduce a discharge state voltage and
4 extend a relative discharge area.